

## PATENT CLAIMS

1. Device for ultrasonic welding of cable-, wire-, or cord-like articles and/or tubes, in particular plastic tubes and/or corrugated tubes or the like, especially made from metal or plastic, having:

an ultrasonic oscillation-producing sonotrode (1), and

two anvils (2, 2'), which as viewed in the welding state in cross section, in particular in radial cross section of the article to be welded, form a compression chamber defined by the sonotrode (1) and the anvils (2, 2') for compressing and/or slightly deforming the article to be welded, whereby

the two anvils (2, 2') are supported to be moveable relative to one another.

characterized in that.

the two anvils (2, 2') during pivotal movement toward one another at least partly perform also a displacement movement in the direction of the sonotrode (1).

2. Device of claim 1, characterized in that the pivoting and  
20 displacement movements are synchronized.

3. Device of one of claims 1 or 2, characterized in that this has a forced guidance for the anvils, such that upon exertion of a translatory force, that moves the anvils (2, 2') in the direction of the sonotrode (1),

simultaneously the anvils (2, 2') are moved toward one another, or upon exertion of a force that pivots the anvils (2, 2') away from one another, the anvils (2, 2') simultaneously move away from the sonotrode (1).

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4. Device of claim 3, characterized in that the forced guidance has at least one take-up element for receiving anvil areas (3).

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5. Device of claim 4, characterized in that the take-up element is a rotatable shaft.

6. Device of one of claims 1 through 5, characterized in that this has a pistol-grip-like handle.

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7. Device of one of claims 1 through 6, characterized in that the anvils (2, 2') are releasably attached.

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8. Device of one of claims 1 through 7, characterized in that this has an actuating element (5), which upon actuation, causes a movement of the anvils (2, 2') into a welding position, in which the article to be welded is fixed in the compression chamber, and upon reaching the welding position, ultrasonic energy is applied onto the article to be welded.

9. Device of one of claims 1 through 8, characterized in that a force that moves the anvils toward one another is exerted permanently onto the anvils via at least one adjusting element (6).

5 10. Device of claim 9, characterized in that the adjusting element (6) is a spring element.

11. Device of claim 10, characterized in that the spring element is biased between two anvil legs (3).

10 12. Use of the device of one of claims 1 through 11 for ultrasonic welding.

15 13. Use of a device of one of claims 1 through 11 for ultrasonic welding of electrical conductors, in particular in the form of cords.

14. Use of a device of one of claims 1 through 11 for ultrasonic welding of tubes, in particular plastic tubes and/or corrugated tubes.